POLLUTION INCIDENT REPORTING FORM

1. Incident # _____
2. Tabulate only ✓

Division of Environmental Management
GROUNDWATER SECTION

TYPE OF ACTION

A

1. Emergency response
2. Compliance investigation
3. Complaint investigation
4. Routine inventory
5. Re-evaluation : # _____
(6) Other : UST LEAK

POTENTIAL HAZARDS : 1. Toxic chemicals 2. Radioactivity 3. Air emissons 4. Explosives 5. Fire

INCIDENT

B

Incident Name: N.C. DOT CRAFT DRIVE

Address: 307 Craft Drive | City/Town: Winston-Salem

County: Forsyth | Region: WSRO | DEM Regional Contact: Kim Margolies

PERSON REPORTING INCIDENT

C

Name: Rick Alexander | Date: 10/28/86 | Time: 11:30 am

Company/Agency: DOT, Raleigh Occupational Safety and Engineering Planning | Telephone: 919-733-7512

Briefly Describe Incident:

D.O.T removed an U.S.T TANK to put in a parking lot.

There was an odor of varsol in the tank pit. The tank was pitted with several holes. Inventory record indicated a possible loss of between 50 and 100 gallons.

REPORTED BY: 1. Responsible party (2) Government agency 3. Private party

RECOMMENDED ACTION

D

1. Investigation complete (3) Initiate/complete cleanup 5. Technical support 7. Enforcement action
2. Continue investigation 4. Long-term remedial action 6. Drill crew 8. Monitoring plan

Comments:

Obviously contaminated soil, (which is shown by appearance and odor) should be removed immediately. Additional clean up should occur as required by result of laboratory analysis of samples

LAB SAMPLES: 1. Yes (2) No
D.O.T took lab samples

Signature: Kim Margolies | Date: 11/7/86

Incident # _____
County: _____

POLLUTION INCIDENT REPORTING FORM

POLLUTANTS INVOLVED

E

MATERIALS INVOLVED	AMOUNT STORED	AMOUNT LOST	AMOUNT RECOVERED
VARSOL	550 gallons	20-40 gallons	

IMPACT ON SURFACE WATERS

F

WATERS EFFECTED 1. Yes (2) No No 3. Potentially	Distance to Stream (ft)	Amount in Water (gal)
	800ft to culvert	
FISH KILL: 1. Yes 2. No	Name of Stream: Monarcas Creek	Stream Class

RISK ASSESSMENT

G

Use these Codes: High = 3 Moderate = 2 Low = 1 None = 0

Resource Threat	GROUNDWATER	SURFACE WATER	AIR
Vertical Migration of Contaminant	1		
Horizontal Migration of Contaminant	1		
Areal Extent of Contamination	0		
Probability of Violations	1	NA	NA
Remedial Action Priority	1	NA	NA
Potential Hazard of Substance	2	NA	NA
Threat to Drinking Water	1	NA	NA
Seriousness of Threat	1	NA	NA
Overall Regional Concern	1	NA	NA

Amount Infiltrating Land: 20 - 40 gallons

Please Circle the Appropriate Response(s):

1. This incident poses additional threat to human health by: (1) inhalation (2) absorption (3) ingestion
2. This incident poses additional threat to the environment by potential adverse effects on :
   (1) sensitive areas (2) wildlife (3) fish

POTENTIAL SOURCE OF POLLUTION

H

SOURCE OF POTENTIAL POLLUTION
1. Intentional dump
2. Pit, pond, lagoon
(3) Leak--underground
4. Spray irrigation
5. Land application
6. Animal feedlot
7. Source unknown
8. Septic tank
9. Sewer line
10. Stockpile
11. Landfill
12. Spill--surface
13. Well
14. Dredge Spoil
15. Nonpoint source

MULTIPLE SOURCES AT SITE:
1. Yes (2) No

TYPE OF POLLUTANT
1. Pesticide/herbicide
2. Radioactive waste
3. Gasoline/diesel
(4) Other petroleum prod.
5. Sewage/septage
6. Fertilizers
7. Sludge
8. Solid waste leachate
9. Metals
10. Other inorganics
11. Other organics

LOCATION
(1) Facility
2. Railroad
3. Waterway
4. Pipeline
5. Dumpsite
6. Highway
7. Residence
8. Other

SETTING
1. Residential
(2) Industrial
3. Urban
4. Rural

POLLUTION CONFIRMED
(1) Yes 2. No Smelled VARSOL in the soil

Incident # _____
County: _____

POLLUTION INCIDENT REPORTING FORM

RESPONSIBLE PARTY

I

Responsible Party/Names			Telephone
Tommy Knox, Traffic Service Supervisor-Div.9			919 761-2327
Company		Street Address	
N.C. D.O.T, Division of Highways		P. O. Box 5436	
City	County	State	Zip Code
Winston-Salem	Forsyth	N.C.	27113

REASON FOR INCIDENT
1. Transportation Accident
(2) Mechanical failure
3. Facility design
4. Inventory only
5. Human error
6. Vandalism
7. Unknown

SOURCE IN USE
(0) N/A
1. Yes
2. No

SOURCE PERMITTED
1. Yes
(2) No

PERMIT NUMBER

SOURCE ON ERRIS LIST
1. Yes
(2) No

ERRIS NUMBER

PERMIT TYPE
(0.) N/A
1. Nondischarge
2. Oil terminal
3. Landfill
4. Mining
5. NPDES
6. RCRA
7. Air

OWNERSHIP
0. N/A
1. Municipal
2. Military
3. Unknown
4. Private
5. Federal
6. County
(7) State

OPERATION TYPE
0. N/A
1. Public Service
2. Agricultural
(3.) Other Source
4. Educational
5. Industrial
6. Commercial
7. Mining

ACTIONS TAKEN

J

Containment, Cleanup, etc.

1. D.O.T used a backhoe to remove all fill material that smelled like varsol.
2. D.O.T sent samples of the contaminated fill material for lab analyses.
3. No evidence of varsol migration was present in the tank excavation pit.
4. 39.9 tons of fill material were removed from the pit area and taken to the City of Winston-Salem's Landfill at Hanes Mill Rd and Rt 52

Nearest Populated Buildings--Type and Distance: 800 ft to the prison

Precipition/Weather Data

Incident # _____

County _____

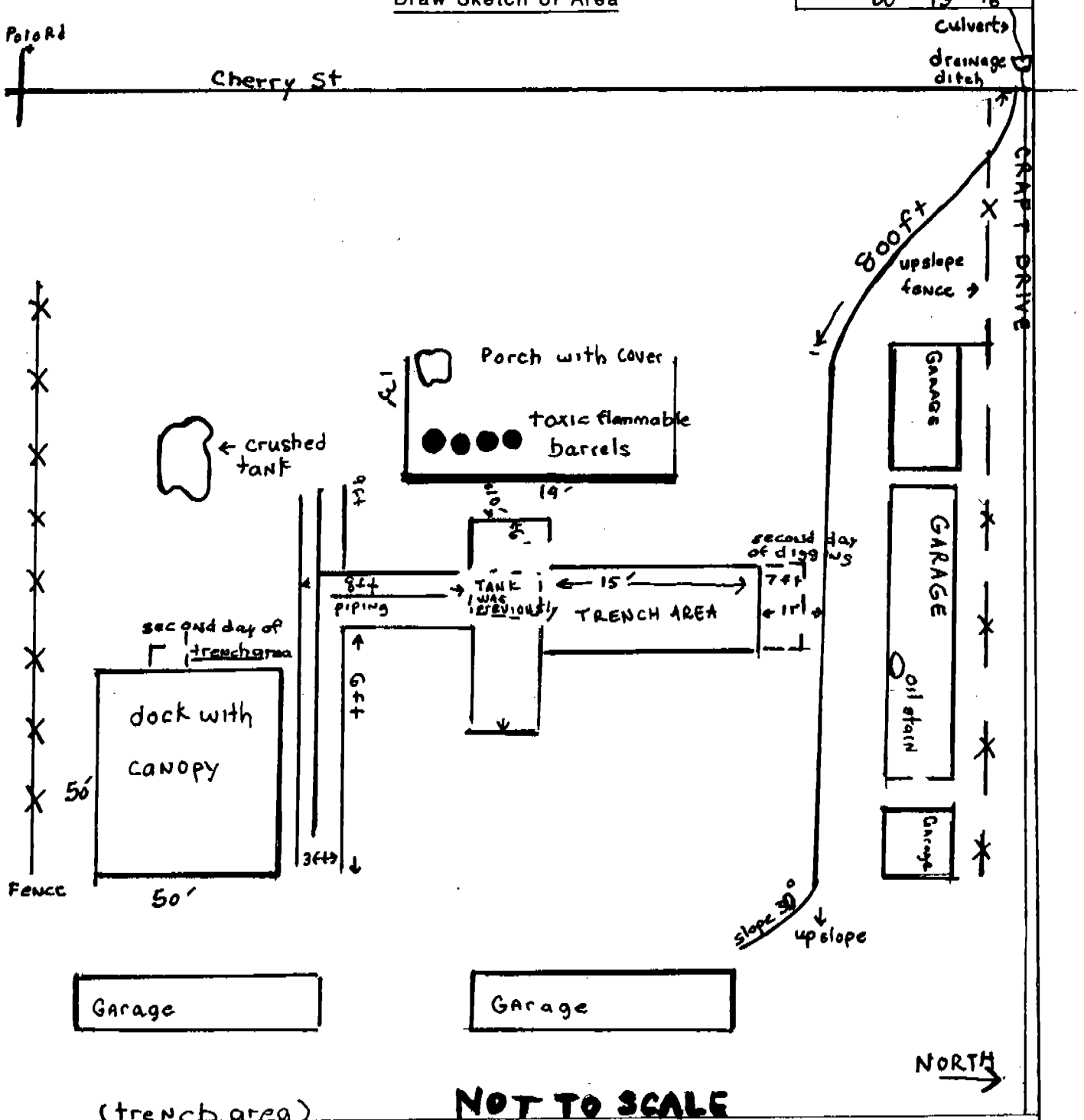
POLLUTION INCIDENT REPORTING FORM

LOCATION OF INCIDENT

Street Address, Road	City/Town	County
307 Craft Drive	Winston-Salem	Forysth

Date Incident Occurred	Time Incident Occurred	7 1/2 Quad Name	Lat. : Deg: Min: Sec: / Long. : Deg: Min: Sec:
September 1986	NA	RURAL HALL	36° 08' 41" / 80° 15' 46"

Draw Sketch of Area



ATTACH PHOTOCOPY OF MAP SHOWING: 1. Pollutant Source 2. Threatened Water Supplies 3. Direction of Overland Flow

Incident # _____
County: _____

POLLUTION INCIDENT REPORTING FORM

EMERGENCY INCIDENT RESPONSIBILITIES

RESPONSIBILITY: _____ Local _____ State _____ Federal _____ Responsible party

ON-SCENE COORDINATOR: _____ (name) _____ (phone number)

_____ (agency/EOC location) _____ (EOC phone)

_____ (EOC contacts)

Assumed, date: _____ time: _____ Relinquished, date: _____ time: _____

On-site representatives: _____

_____

TECHIICAL COORDINATOR: _____ (name) _____ (phone number)

_____ (agency/EOC location) _____ (EOC phone)

_____ (EOC contacts)

Assumed, date: _____ time: _____ Relinquished, date: _____ time: _____

On-site representatives: _____

_____

RESOURCE TRUSTEE: _____ (name) _____ (phone number)

_____ (agency/EOC location) _____ (EOC phone)

_____ (EOC contacts)

Assumed, date: _____ time: _____ Relinquished, date: _____ time: _____

On-site representatives: _____

_____

PIO: _____ (name) _____ (agency) _____ (phone number)

Assumed,date: _____ time: _____ Relinquished, date: _____ time: _____

Incident # _____

County: _____

POLLUTION INCIDENT REPORTING FORM

SOIL TYPES

COASTAL PLAIN REGION

1. Middle Coastal Plain
2. Upper Coastal Plain/Piedmont
3. Sandhills
4. Lower Coastal/Wicomico, Talbot
5. Lower Coastal Plain/Pamlico
6. Organic Soil
7. Brackish and Freshwater Marsh
8. Outer Banks
9. Large River Valleys/Flood Plain

PIEDMONT SOIL REGION

(10.) Felsic Crystalline
11. Carolina Slate Belt
12. Triassic Basin
13. Mixed Felsic and Mafic

MOUNTAIN SOIL REGION

14. Low and Intermediate Mountain
15. Basins/Terraces/Flood Plain
16. High Mountain

LANDFORM

1. River/coastal terrace
2. Coastal (flat) plain
3. Mountain range
4. Sandhills
5. Swamp
6. Linear (valley) slope
7. Head slope (concave)
8. Nose slope (convex)
9. Foot slope
10. Barrier Island
11. Barrier system
12. Beach ridge
13. Tidal marsh
14. Floodplain
(15) Upland: 0-5% slope (interstream divide)

OBSERVED AVERAGE GRADIENTS

To nearest water supply: 6 %

Water table gradient: unknown %

To nearest stream: 3 %

Stream gradient: 3 %

ESTIMATED DEPTHS

To uppermost confining bed: unknown ft.

To water table: unknown ft.

To bedrock: 3.20 ft.

The area is pretty wet

ESTIMATE HYDRAULIC CONDUCTIVITIES

Soil	Unsaturated zone	Water Table	Upper confined aquifer
1. high	1. high	1. high	1. high
2. medium	2. medium	2. medium	(2.) medium
3. low	(3.) low	3. low	3. low
(4.) unknown	4. unknown	(4.) unknown	4. unknown

AQUIFER USE

1. Little or no use
2. Moderate uses
3. Heavily used

DISTANCE TO NEAREST WATER SUPPLY: 1000 ft.

DISTANCE TO NEAREST BUILDING: 3 ft.

Describe general lithology of soil and unsaturated zone

The D.O.T facility site is built over a natural drainage way that was filled prior to construction.

There is a sandy-silt fill material for the first seven feet. The fill material then changes to a clay.

The area is mapped as Biotite Gneiss and Schist. The surrounding area soil is mapped as Cecil - Sandy loam.

Provide map showing: 1. Pollutant source 2. Threatened water supplies 3. Direction of overland flow